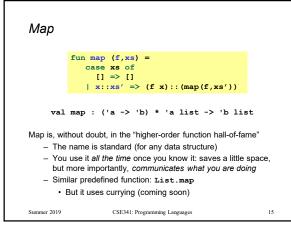


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Generalizing

structures

Our examples of first-class functions so far have all:

- Can pass several functions as arguments

- Processed a number or a list

- Can return functions as results

No new language features

- Taken one function as an argument to another function

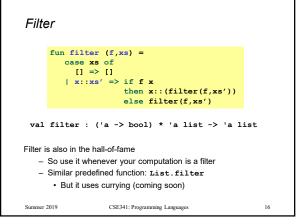
But first-class functions are useful anywhere for any kind of data

- Can put functions in data structures (tuples, lists, etc.)

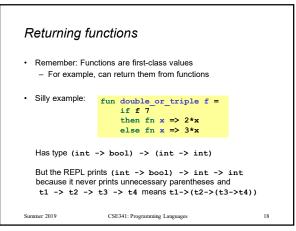
Useful whenever you want to abstract over "what to compute with"

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- Can write higher-order functions that traverse your own data









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